

Japanese Patent Office (JP)

LAID-OPEN UTILITY MODEL GAZETTE (U)

Laid-Open Utility Model Application Number : H6-9622

Laid Open : 8 February 1994

-----  
Int.Cl.<sup>5</sup>      Class'n Internal      FI      Technical  
Code      Filing No.      Display

A 61 F 13/15

13/56

7603-4C      A 61 F 13/18      302

7603-4C      350

Request for Examination : Not requested

Number of Claims : Two

(Total three pages in the Japanese)

-----  
Application No.: H 4-49382

Date of Application: 14 July 1992

Applicant: 000000918

Kao KK

14-10 Kayaba-cho 1-chome, Nippon-bashi,  
Chuo-ku, Tokyo-to

Designer: H. Mizumoto

9-7 Higashi {illegible} 3-chome, Utsunomiya-  
shi, Tochigi-ken

Designer: Y. Sakai,

3124-7 Ishii-cho, Utsunomiya-shi, Tochigi-  
ken

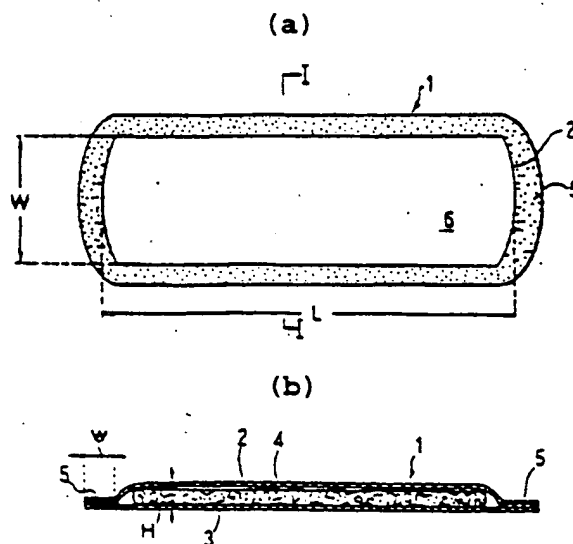
Agent: Patent Attorney T. Hatori

[Title of the Invention] Sanitary towel

[Abstract]

[Object] To propose a sanitary towel which does not give an incongruent feeling to the wearer and yet has sufficient absorbance properties for passed blood.

[Constitution] A substantially elongated sanitary towel which comprises a liquid permeable top sheet member, a liquid impermeable back sheet member and a liquid-retaining absorbent body between these two members, which sanitary towel has a body-fluid absorbing surface of width 30 to 60 mm and length 70 to 150 mm on the surface of the abovementioned top sheet member, and has band-shaped adhesive surfaces of width 0.5 to 20 mm in contact with the skin, on the outside of each of the two side edges of the abovementioned body-fluid absorbing surface, and the thickness of the whole of the abovementioned towel is 0.5 to 5 mm.



[Scope of Utility Model Registration Claims]

[Claim 1] A substantially elongated sanitary towel which comprises a liquid permeable top sheet member, a liquid impermeable back sheet member and a liquid-retaining absorbent body between these two members, which sanitary towel

has a body-fluid absorbing surface of width 30 to 60 mm and length 70 to 150 mm on the surface of the above-mentioned top sheet member, and

has band-shaped adhesive surfaces of width 0.5 to 20 mm in contact with the skin, on the outside of each of the two side edges of the abovementioned body-fluid absorbing surface,

and the thickness of the whole of the abovementioned towel is 0.5 to 5 mm.

[Claim 2] The sanitary towel as claimed in Claim 1, characterized in that the abovementioned adhesive surface has properties in the following ranges: 180 degree peeling strength of 4 to 400 g/10 mm; shear peeling strength of 100 to 2000 g/10 mm; modulus of elasticity in shear of  $8 \times 10^5$  to  $6 \times 10^6$  dyne/cm<sup>2</sup>.

[Brief Description of the Drawings]

[Figure 1] (a) is a plan view of a sanitary towel according to this design, and (b) is a cross-section along the line I-I in (a).

[Figure 2] (a) is a plan view of a different sanitary towel according to this design, and (b) is a cross-section along the line II-II in (a).

[Figure 3] (a) to (e) show the state of application of

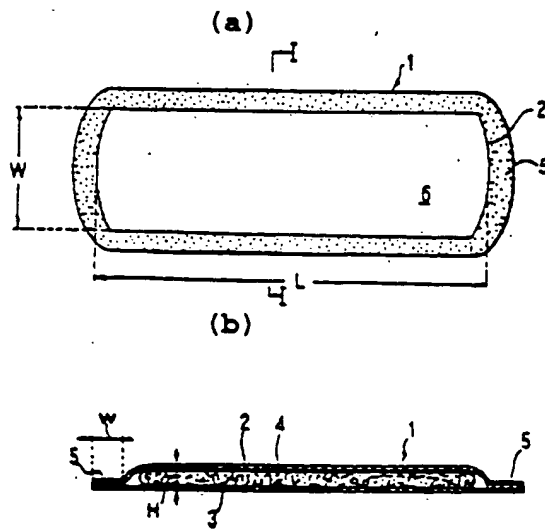
the adhesive on the adhesive surface of the sanitary towel according to this design.

[Figure 4] (a) and (b) are oblique views of the device for measuring the dynamic maximum absorbance capacity.

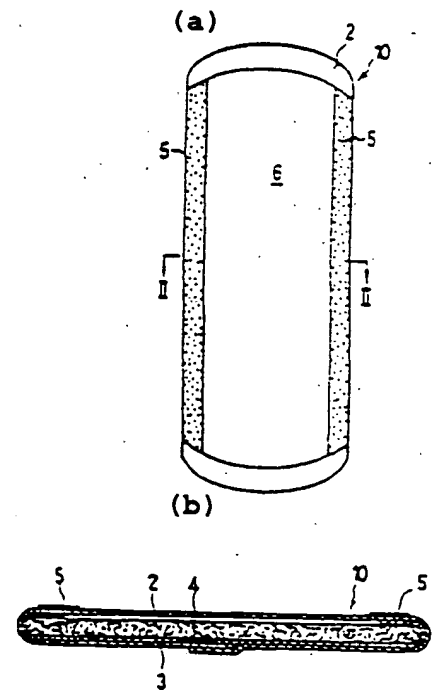
[References]

- 1,10 Sanitary towel
- 2 Top sheet member
- 3 Back sheet member
- 4 Absorbent body
- 5 Adhesive surface
- 6 Body-fluid absorbing surface

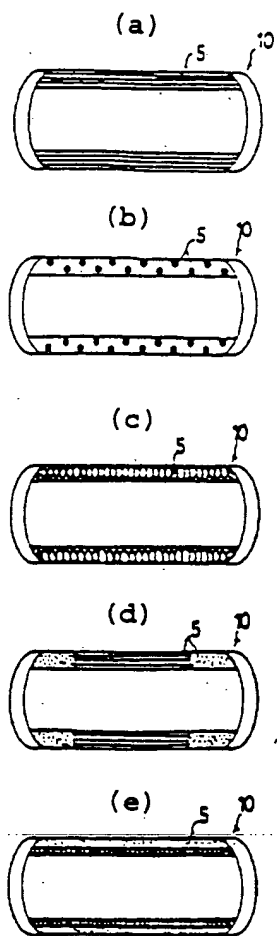
[Figure 1]



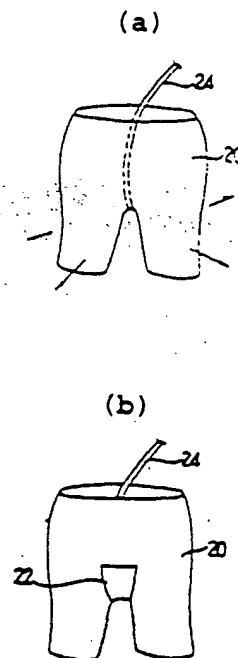
[Figure 2]



[Figure 3]



[Figure 4]



(19)日本国特許庁(J P)

(12) 公開実用新案公報 (U)

(11)実用新案出願公開番号

実開平6-9622

(43)公開日 平成6年(1994)2月8日

(51)Int.Cl.<sup>3</sup>

識別記号

庁内整理番号

F I

技術表示箇所

A 6 1 F 13/15

13/56

7603-4C

7603-4C

A 6 1 F 13/ 18

3 0 2

3 5 0

審査請求 未請求 請求項の数2(全 3 頁)

(21)出願番号 実願平4-49382

(22)出願日 平成4年(1992)7月14日

(71)出願人 000000918

花王株式会社

東京都中央区日本橋茅場町1丁目14番10号

(72)考案者 水本 博美

栃木県宇都宮市東宿郷3丁目9-7

(72)考案者 酒井 吉弘

栃木県宇都宮市石井町3124-7

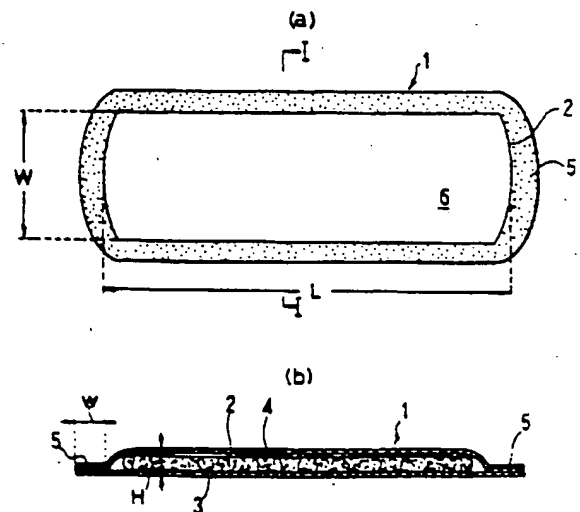
(74)代理人 弁理士 羽鳥 修

(54)【考案の名称】 生理用ナプキン

(57)【要約】

【目的】 着用者に違和感を与えず、しかも経血の吸収性を十分に満足させる生理用ナプキンを提案すること。

【構成】 液透過性の表面材、液不透過性の裏面材、及びこれら両部材間に介在する液保持性の吸収体を有し、実質的に縦長に形成されたナプキンにおいて、上記表面材の面に、幅が30～60mmで、長さが70～150mmの体液吸収面を有し、上記体液吸収面の両側縁のそれぞれの外方に、幅0.5～2.0mmの肌と当接する帯状の粘着面を有し、上記ナプキン全体の厚みが0.5～5mmである生理用ナプキン。



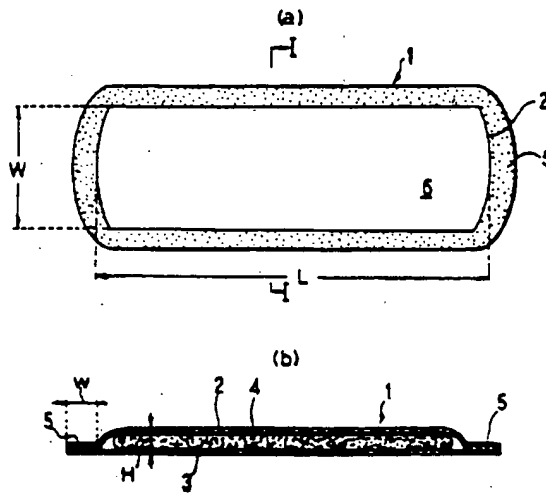
## 【実用新案登録請求の範囲】

【請求項1】 液透過性の表面材、液不透過性の裏面材、及びこれら両部材間に介在する液保持性の吸収体を有し、実質的に縦長に形成されたナプキンにおいて、上記表面材の面に幅が30～60mmで、長さが70～150mmの体液吸収面を有し、上記体液吸収面の両側縁のそれぞれの外方に、幅0.5～20mmの肌と当接する帯状の粘着面を有し、上記ナプキン全体の厚みが0.5～5mmである生理用ナプキン。

【請求項2】 上記粘着面は、180度剥離力4～400g/10mm、剪断剥離力100～2000g/10mm及び剪断弾性率 $8 \times 10^5 \sim 6 \times 10^6$  dyne/cm<sup>2</sup>の範囲の物性を有することを特徴とする請求項1記載の生理用ナプキン。

## 【図面の簡単な説明】

【図1】



【図1】(a)が本考案に係る生理用ナプキンの平面図、及び(b)が(a)の線I-Iに沿った断面図である。

【図2】(a)が本考案に係る別の生理用ナプキンの平面図、及び(b)が(a)の線II-IIに沿った断面図である。

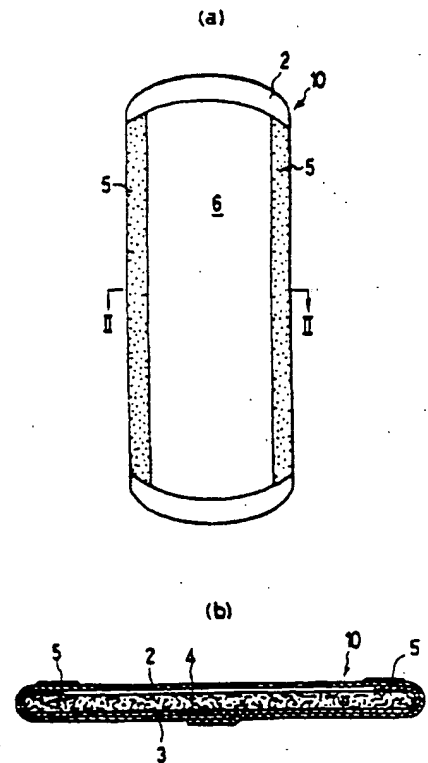
【図3】(a)～(e)は、本考案に係る生理用ナプキンの粘着面の粘着材の塗工状態を示した図である。

【図4】(a)及び(b)は、動的最大吸収量の測定装置の斜視図である。

## 【符号の説明】

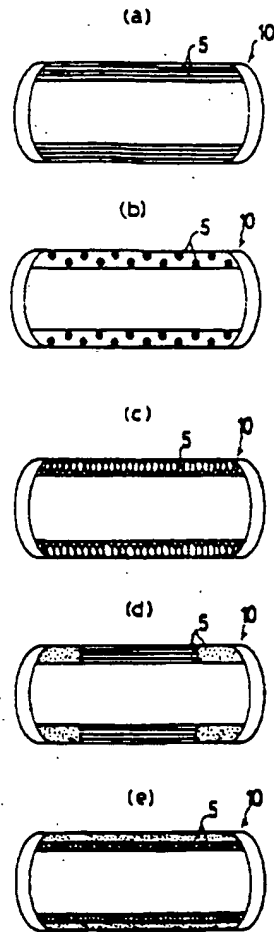
10	1、10	生理用ナプキン
	2	表面材
	3	裏面材
	4	吸収体
	5	粘着面
	6	体液吸収面

【図2】





【図3】



【図4】

